

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23950 Studio Red, Helio

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Revised edition: 06.12.2019

Version: 5

Printed: 05.02.2021

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Studio Red, Helio

Article No.: 23950

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Chemical-technical industry
Paint and varnish industry
Plastics industry.
Colored printing inks

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

EUH208: Contains 1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol.

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*Can cause allergic reactions.
Dust can form explosive mixtures with air.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Pigment Red 3, C.I. 12120

Information on Components / Hazardous Ingredients:

1-Naphthol (H302-332-400)	1 - 2.5 %	CAS-Nr: 135-19-3 EINECS-Nr: 205-182-7 EC-Nr: 604-007-00-5
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1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol (H317); REACH Reg. No. 01-2120753168-50-0000	0.1 - 1 %	CAS-Nr: 49744-28-7 EINECS-Nr: 256-458-9 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air and keep patient calm.

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

*Immediately flush open eyes with plenty of water.
Protect unharmed eye.*

After ingestion:

Do NOT induce vomiting. Consult a doctor.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

None known.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, water jet.

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Unsuitable extinguishing media:

Carbon dioxide, water jet, dry extinguishing powder.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon and nitrogen oxides.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

Keep away from sources of ignition. No smoking.

Stop the engine.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Avoid dust formation.

Take measures to prevent the build up of electrostatic charge.

Moisten the spillage with water, cover with wet sand or moistened binder before mechanically removing it.

6.4. Reference to other Sections

Keep away from ignitable sources.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust.

Hygienic measures:

Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.

Wash hands at the end of work. Preventive skin protection recommended.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.

Do not store together with food stuff and animal feed.

Requirements for storage areas and containers:

Store the product in the original container.

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Information on fire and explosion protection:

*Take measures to prevent electrostatic discharge.
Keep away from sources of ignition.
Dust may form an explosive mixture with air.
Dust explosion class 2 (Kst-value 200 - 300 bar m/s).*

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Does not contain substances with occupational exposure limits.

Parameters to be controlled (DE):

Parameters to be controlled:

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Dust mask recommended when very dusty.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (NBR)

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

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Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>red</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>6.5 - 8 (30°C)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not available</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.42 g/cm³ (30°C)</i>
<i>Solubility in water:</i>	<i>miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	
<i>Decomposition temperature:</i>	<i>271°C</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>

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Oxidizing properties:

no information available

Bulk density:

380 g/l

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

2

Combustion factor 2: short flare-up without spreading (20°C)

Solvent content:

Solid content:

Particle size:

1 - 10 mm

Other information:

Dust explosion class: ST2

Minimum ignition energy: 3 - 6 mJ

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Dust can form explosive mixtures with air.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid ignition sources and sparks.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

> 2000 mg/kg (rat)

2-Naphthol: 1960 mg/kg (rat)

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: 1960 mg/kg (rat/f; OECD 423)

LD50, dermal:

No information available.

LC50, inhalation:

> 5 mg/l (4h)

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Primary effects

Irritant effect on skin:

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: no skin irritation (1h, reconstructed human epidermis; OECD 439)

Irritant effect on eyes:

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: no irritation of eyes (4h, bovine cornea; OECD 437)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

2-Naphthol: Harmful if swallowed or inhaled.

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: sensitizing (Mouse Local Lymph Node Assay (LLNA); OECD 429)

Mutagenicity:

2-Naphthol:

In vitro genetic-toxicity: Ames-Test negative (Salmonella typhimurium)

In vivo genetic-toxicity: micronucleus negative (mouse/m; OECD 474)

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol:

In vitro genetic-toxicity: Ames-Test positive (Salmonella typhimurium; OECD 471)

Reproductive toxicity:

2-Naphthol:

Effect on fertility:

First Generation Study (oral, rat m/f): NOAEL Parents: 10 mg/kg bw / F1: 40 mg/kg bs (Exposure period: 98d, Frequency of treatment: once daily, Dosage: 0, 10, 40, 160 mg/kg bw)

Effects on the development of the unborn child:

NOAEL mothers (rat m/w): 10 mg/kg bw (oral, dosage: 10-40-160 mg/kg); NOAEL Teratogenicity: > 160 mg/kg bw

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: no information available

Carcinogenicity:

2-Naphthol: negative (dermal, mouse/f; 12 weeks)

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: no information available

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure:

2-Naphthol: the substance or mixture is not classified as specific target organ toxicant.

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: the substance or

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mixture is not classified as specific target organ toxicant.

Repeated exposure:

2-Naphthol: the substance or mixture is not classified as specific target organ toxicant.

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: the substance or mixture is not classified as specific target organ toxicant.

Additional toxicological information:

Aspiration hazard:

2-Naphthol: no classification

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: no data available

12. Ecological Information

12.1. Aquatic Toxicity

2-Naphthol: Acute aquatic toxicity: very toxic to aquatic organisms.

Fish toxicity:

2-Naphthol: LC50: 3.46 mg/l (96h, Pimephales promelas); NOEC: 0.08 mg/l (23d; Oncorhynchus mykiss)

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: no data available

Daphnia toxicity:

2-Naphthol: EC50: 0.85 mg/l (48h, Gammarus minus)

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: EC50: > 1 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

No data available.

Algae toxicity:

2-Naphthol: no data available

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: ErC50: > 1 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

12.2. Persistency and Degradability

2-Naphthol: Biochemical oxygen demand (BOD): 0.71 %

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: 65 mg/l, not readily biodegradable; Biochemical oxygen demand (BOD): 22 % (28d; OECD 301F)

12.3. Bioaccumulation

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: log Pow: 4.33 (22°C, pH 7)

12.4. Mobility

2-Naphthol: log Koc: 0.45, highly mobile in soil

12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol: This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12.6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Do not let product contaminate ground water, waterways or

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sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Contaminated packaging must be disposed like the substance.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

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14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

IMDG: not applicable

14.8. Further Information

Do not store together with foodstuffs.

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.